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Atty. Dkt. No. APPM/006877/PPC/CMP/CKIM

IN THE CLAIMS:

Please cancel claims 3 and 4, without prejudice, and amend the claims as follows:

- 1. (Currently Amended) A method of electrochemically and mechanically planarizing a surface of a substrate, comprising:
- (a) providing an electrically conductive solution and an electrode in contact with the electrically conductive solution;
- (b) disposing a polishing medium in contact with the electrically conductive solution;
- (c) positioning a <u>the</u> substrate having a conductive material formed thereon against the polishing medium so that a <u>the</u> surface of the substrate contacts the electrically conductive solution and the polishing medium;
- (d) applying a first positive potential between the polishing medium and the electrode for a first time period to remove conductive material from the substrate, wherein the first positive potential is a pulsed potential with a waveform; and
- (e) applying a second positive potential between the polishing medium and the electrode for a second time period to remove conductive material from the substrate, wherein the second potential is lower than the first potential.
- 2. (Previously Presented) The method of claim 1, wherein the polishing medium comprises an electrode.
- 3. 4. (Canceled)
- 5. (Previously Presented) The method of claim 1, wherein the first positive potential is a pulsed potential with a waveform and the second positive potential is a pulsed potential with a waveform.

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- 6. (Previously Presented) The method of claim 1, further comprising providing relative motion between the substrate and the polishing medium.
- 7. (Previously Presented) The method of claim 1, wherein the polishing medium comprises a conductive portion, and the conductive portion comprises an electrode.
- 8. (Previously Presented) The method of claim 1, wherein the first positive potential is modulated within a predefined range of potentials.
- 9. (Previously Presented) The method of claim 1, wherein the second positive potential is modulated within a predefined range of potentials.
- 10. (Original) The method of claim 1, further comprising repeating steps (d) and (e) for a third time period.
- 11. (Previously Presented) The method of claim 1, wherein the polishing medium comprises a conductive polishing material or a composite of a conductive polishing material disposed in a conventional polishing material.
- 12. (Previously Presented) The method of claim 11, wherein the conductive material comprises copper or tungsten.
- 13. (Previously Presented) The method of claim 1, further comprising applying a third potential between the polishing medium and the electrode for a third time period, and the third potential is a zero potential.
- 14. (Previously Presented) The method of claim 16, wherein the third positive potential is between about 4 volts and about 8 volts.
- 15. (Original) The method of claim 1, wherein the first time period is greater than the second time period.

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- 16. (Previously Presented) The method of claim 1, further comprising applying a third positive potential between the polishing medium and the electrode for a third time period.
- 17. (Previously Presented) The method of claim 16, wherein the third positive potential is a pulsed potential with a waveform.
- 18. (Previously Presented) The method of claim 16, wherein the first positive potential is a pulsed potential with a waveform, the second positive potential is a pulsed potential with a waveform, and the third positive potential is a pulsed potential with a waveform.
- 19. (Previously Presented) The method of claim 1, further comprising
- (f) applying a third positive or zero potential between the polishing medium and the electrode for a third time period; and
 - repeating steps (d) through (f) for a period of time.